

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112122\
 Data File : VL039910.D
 Acq On : 21 Nov 2022 14:58
 Operator : SY/AP
 Sample : N5724-02
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA2

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 11/22/2022
 Supervised By :Mahesh Dadoda 11/24/2022

Quant Time: Nov 22 03:48:34 2022

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111822AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2022

QLast Update : Tue Nov 22 03:45:31 2022

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	5.166	49	1049777	10.000	ppbv	0.01
33) 1,4-Difluorobenzene	6.629	114	3156753	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.449	117	2807830	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.761	95	2174597	10.140	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.703	85	41754	0.278	ppbv #	86
3) Chlorodifluoromethane	2.648	51	54736	0.378	ppbv	99
4) Chloromethane	2.787	50	55921	0.604	ppbv #	84
9) Propene	2.677	41	40765m	0.597	ppbv	
11) Trichlorofluoromethane	3.539	101	42815	0.233	ppbv	93
13) Ethanol	3.214	45	357237	68.571	ppbv	97
15) Acetone	3.443	43	801010	5.753	ppbv	100
19) Isopropyl Alcohol	3.555	45	591266	7.843	ppbv #	32
20) Methylene Chloride	3.906	84	929683	13.781	ppbv	98
23) Vinyl Acetate	4.590	43	89084	1.557	ppbv #	91
26) Hexane	5.189	57	371026	3.322	ppbv #	40
29) Chloroform	5.250	83	34006	0.229	ppbv	94
34) 2-Butanone	4.764	43	88917	0.589	ppbv #	90
35) Carbon Tetrachloride	6.462	117	15030m	0.084	ppbv	
36) Benzene	6.340	78	45425	0.169	ppbv	94
53) Toluene	9.198	91	84996	0.278	ppbv	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

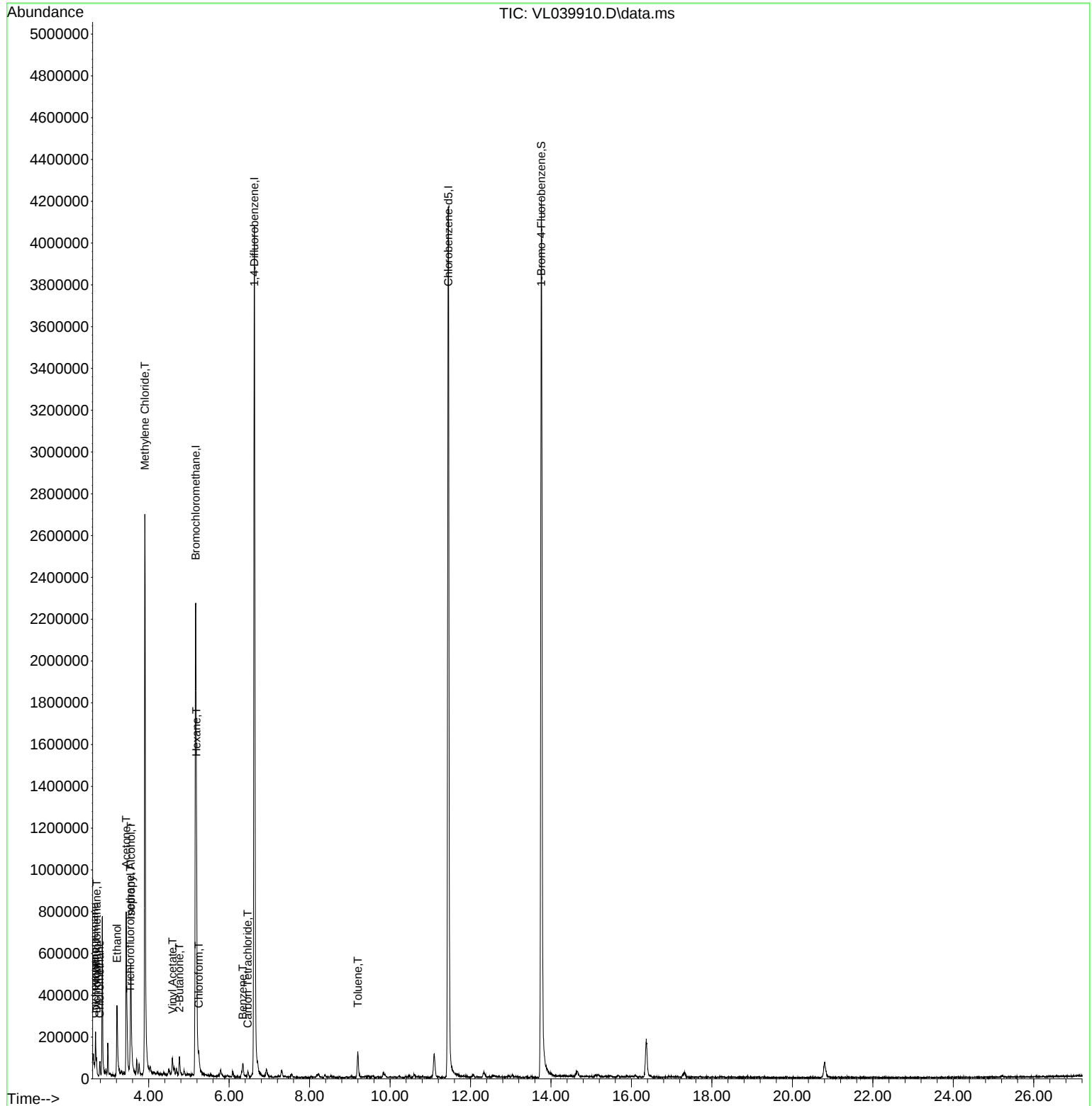
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112122\
Data File : VL039910.D
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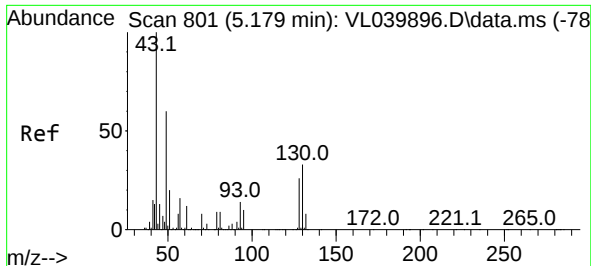
Instrument :
MSVOA_L
ClientSampleId :
IA2

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Quant Time: Nov 22 03:48:34 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL11822AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Tue Nov 22 03:45:31 2022
Response via : Initial Calibration





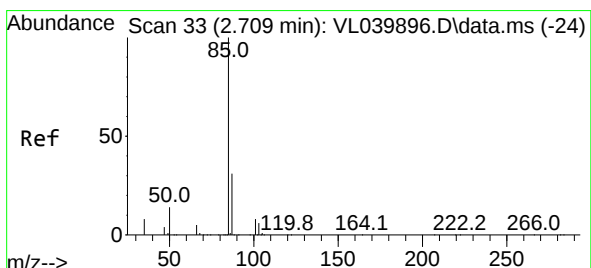
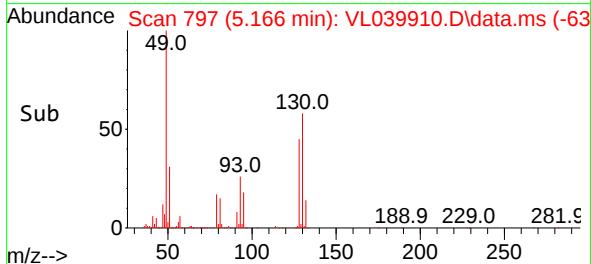
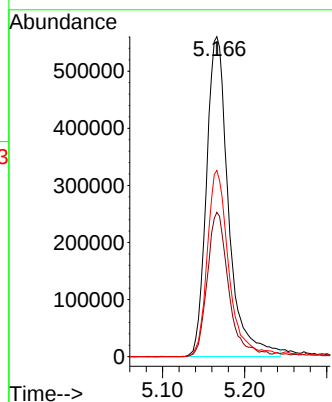
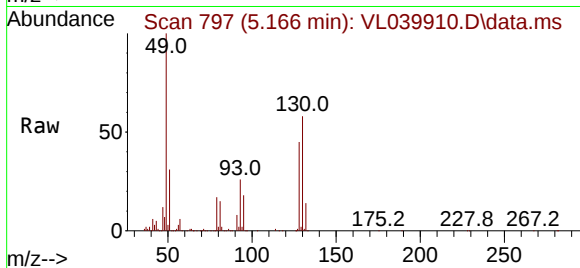
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.166 min Scan# 79
Delta R.T. 0.010 min
Lab File: VL039910.D
Acq: 21 Nov 2022 14:58

Instrument :
MSVOA_L
ClientSampleId :
IA2

Tgt Ion: 49 Resp: 104977
Ion Ratio Lower Upper
49 100
128 45.5 22.1 66.3
130 59.0 27.7 83.1

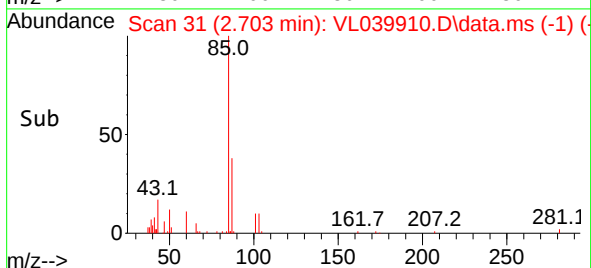
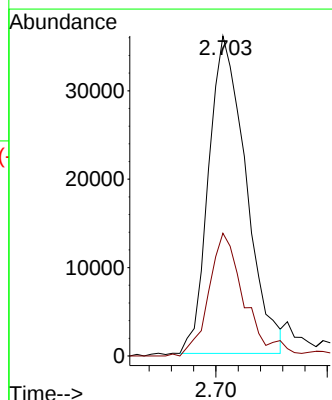
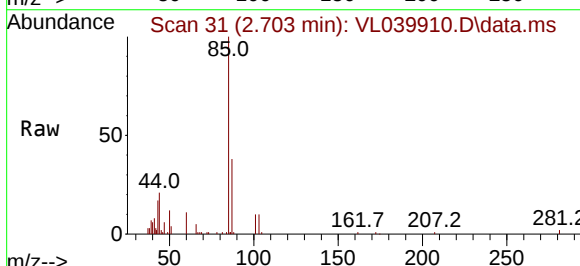
Manual Integrations
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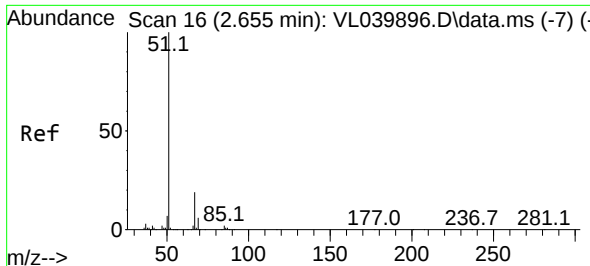
Reviewed By :Semsettin Yesilyurt 11/22/2022
Supervised By :Mahesh Dadoda 11/24/2022



#2
Dichlorodifluoromethane
Concen: 0.278 ppbv
RT: 2.703 min Scan# 31
Delta R.T. 0.006 min
Lab File: VL039910.D
Acq: 21 Nov 2022 14:58

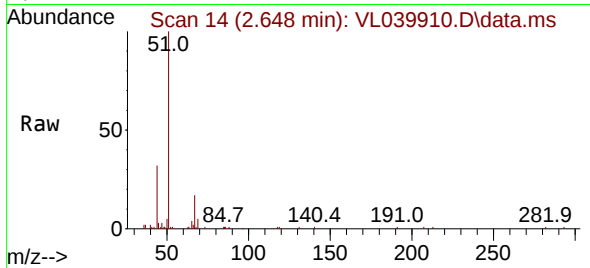
Tgt Ion: 85 Resp: 41754
Ion Ratio Lower Upper
85 100
87 38.7 25.0 37.4





#3
Chlorodifluoromethane
Concen: 0.378 ppbv
RT: 2.648 min Scan# 14
Delta R.T. 0.006 min
Lab File: VL039910.D
Acq: 21 Nov 2022 14:58

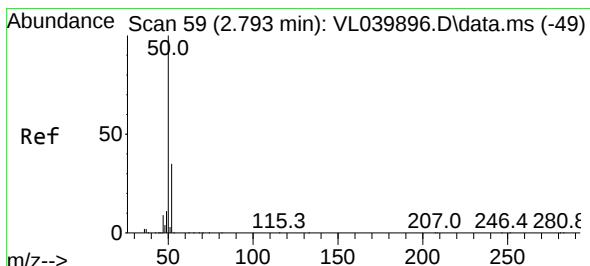
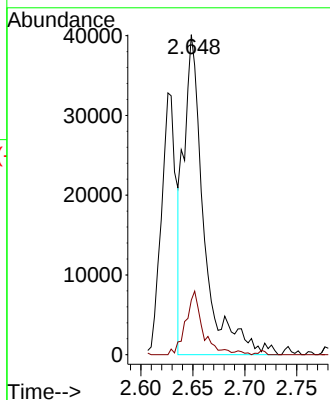
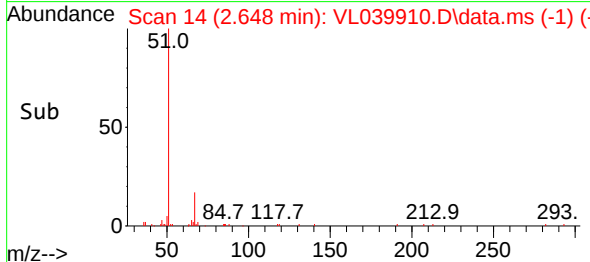
Instrument :
MSVOA_L
ClientSampleId :
IA2



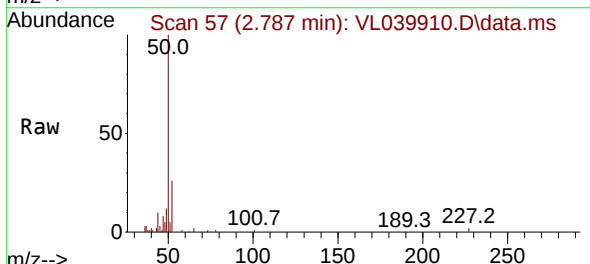
Tgt Ion: 51 Resp: 54730
Ion Ratio Lower Upper
51 100
67 17.4 14.2 21.4

Manual Integrations
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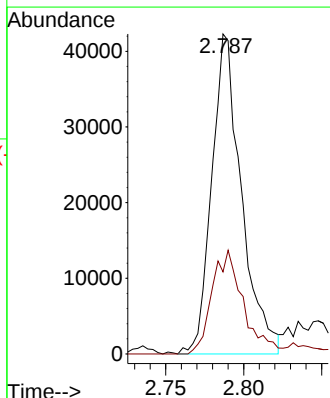
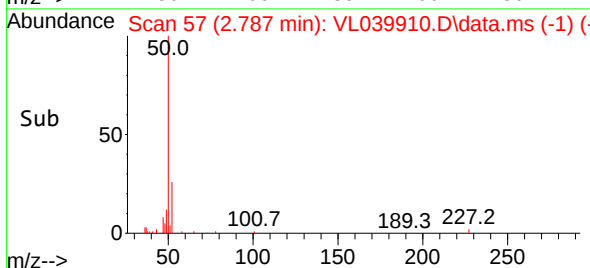
Reviewed By :Semsettin Yesilyurt 11/22/2022
Supervised By :Mahesh Dadoda 11/24/2022

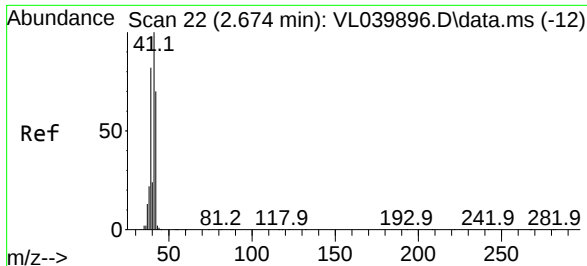


#4
Chloromethane
Concen: 0.604 ppbv
RT: 2.787 min Scan# 57
Delta R.T. 0.006 min
Lab File: VL039910.D
Acq: 21 Nov 2022 14:58



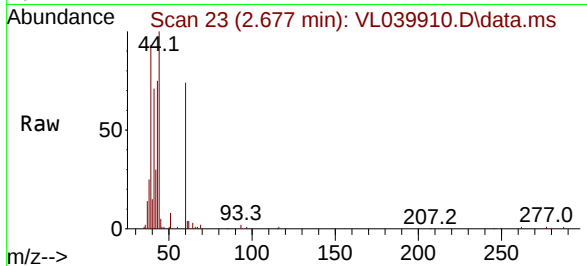
Tgt Ion: 50 Resp: 55921
Ion Ratio Lower Upper
50 100
52 25.7 27.8 41.8





#9
 Propene
 Concen: 0.597 ppbv m
 RT: 2.677 min Scan# 21
 Delta R.T. 0.016 min
 Lab File: VL039910.D
 Acq: 21 Nov 2022 14:58

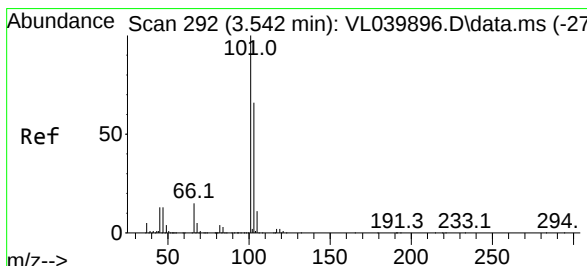
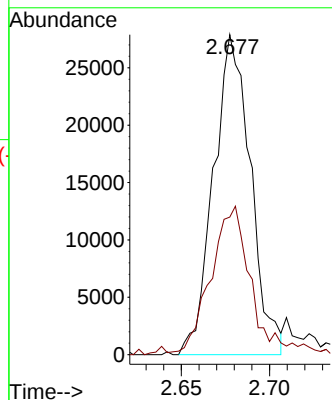
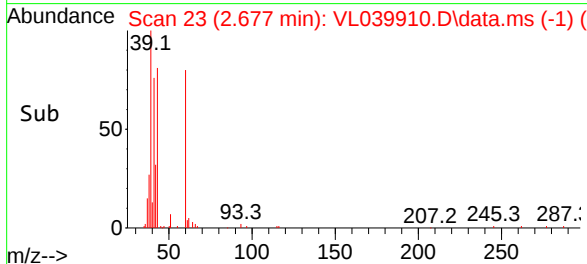
Instrument :
 MSVOA_L
 ClientSampleId :
 IA2



Tgt Ion: 41 Resp: 4076
 Ion Ratio Lower Upper
 41 100
 42 336.3 55.8 83.6

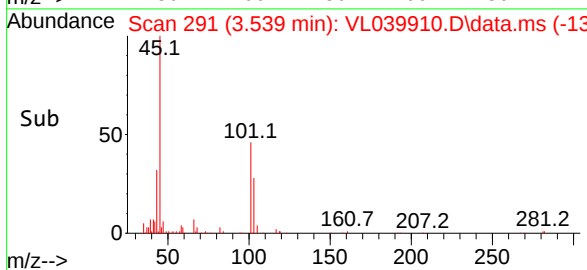
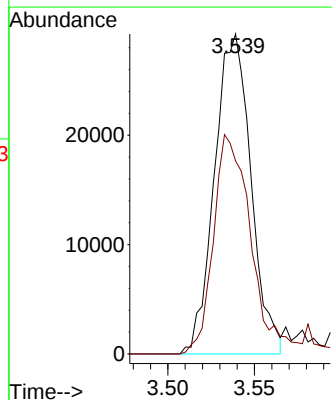
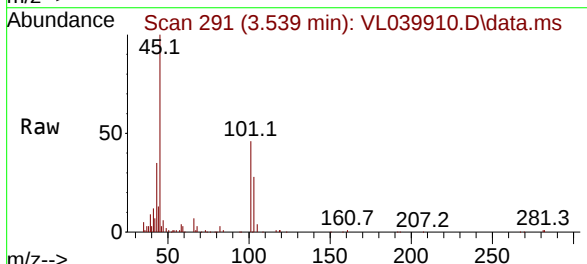
Manual Integrations
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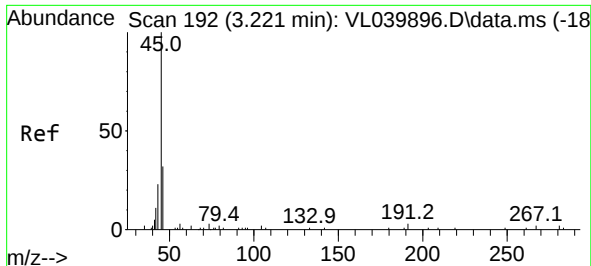
Reviewed By :Semsettin Yesilyurt 11/22/2022
 Supervised By :Mahesh Dadoda 11/24/2022



#11
 Trichlorofluoromethane
 Concen: 0.233 ppbv
 RT: 3.539 min Scan# 291
 Delta R.T. 0.010 min
 Lab File: VL039910.D
 Acq: 21 Nov 2022 14:58

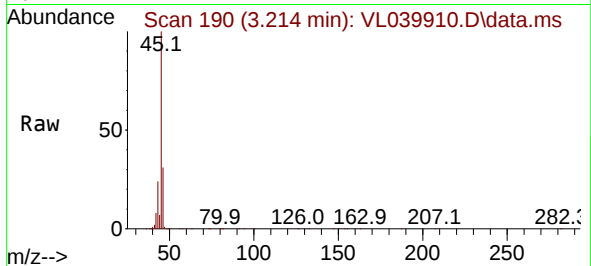
Tgt Ion:101 Resp: 42815
 Ion Ratio Lower Upper
 101 100
 103 60.3 52.6 78.8





#13
Ethanol
Concen: 68.571 ppbv
RT: 3.214 min Scan# 190
Delta R.T. 0.006 min
Lab File: VL039910.D
Acq: 21 Nov 2022 14:58

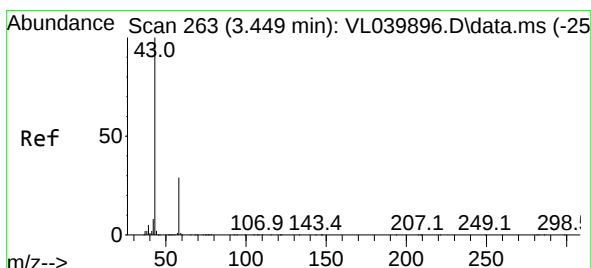
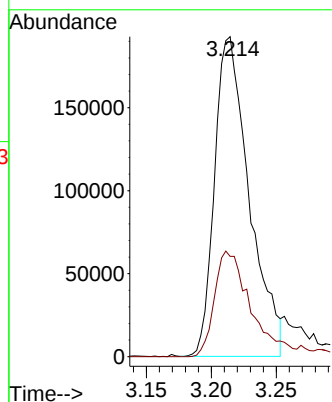
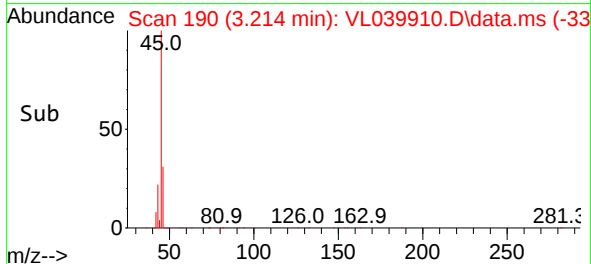
Instrument :
MSVOA_L
ClientSampleId :
IA2



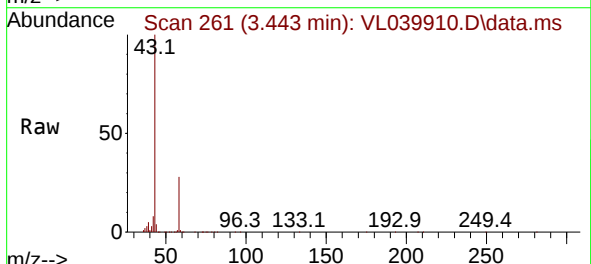
Tgt Ion: 45 Resp: 35723
Ion Ratio Lower Upper
45 100
46 38.4 14.6 58.2

Manual Integrations
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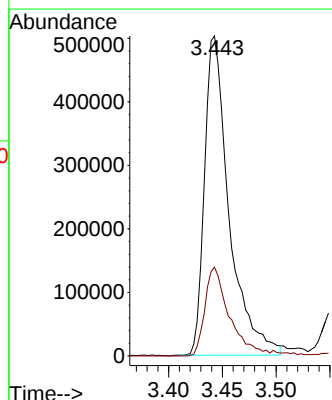
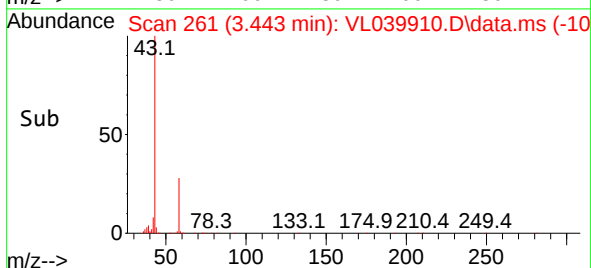
Reviewed By :Semsettin Yesilyurt 11/22/2022
Supervised By :Mahesh Dadoda 11/24/2022

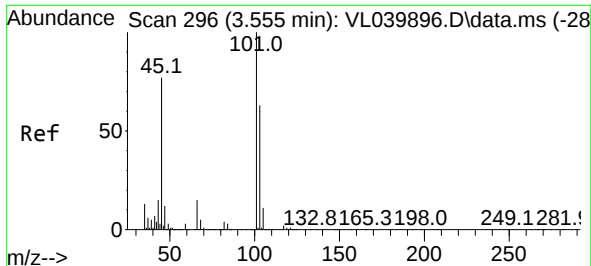


#15
Acetone
Concen: 5.753 ppbv
RT: 3.443 min Scan# 261
Delta R.T. 0.010 min
Lab File: VL039910.D
Acq: 21 Nov 2022 14:58



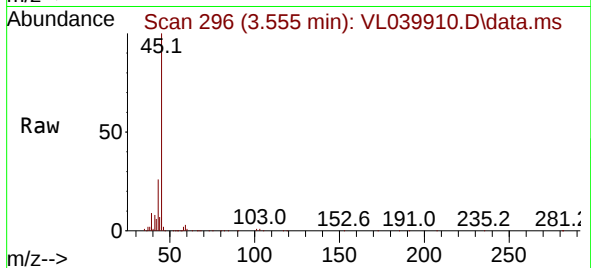
Tgt Ion: 43 Resp: 801010
Ion Ratio Lower Upper
43 100
58 28.6 22.9 34.3





#19
Isopropyl Alcohol
Concen: 7.843 ppbv
RT: 3.555 min Scan# 296
Delta R.T. 0.013 min
Lab File: VL039910.D
Acq: 21 Nov 2022 14:58

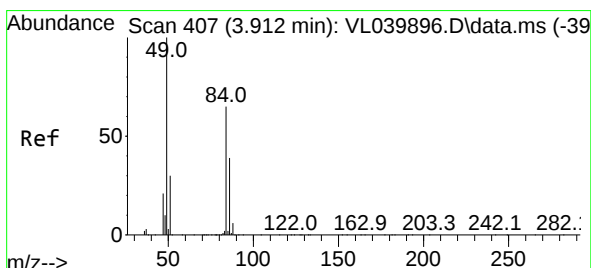
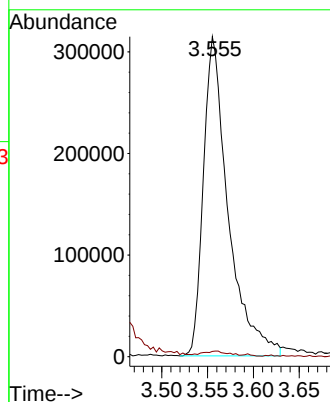
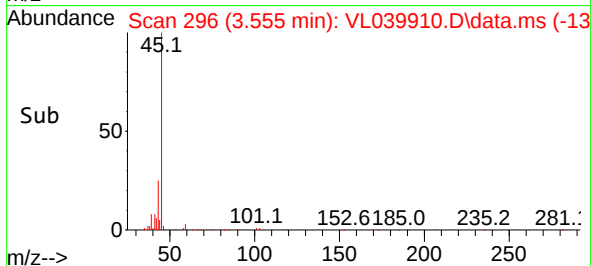
Instrument :
MSVOA_L
ClientSampleId :
IA2



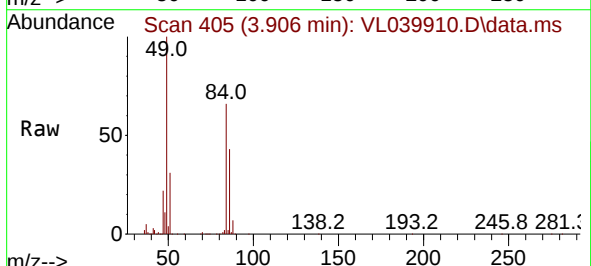
Tgt Ion: 45 Resp: 591260
Ion Ratio Lower Upper
45 100
58 2.5 38.7 58.1

Manual Integrations
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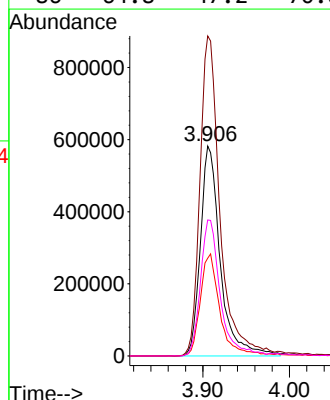
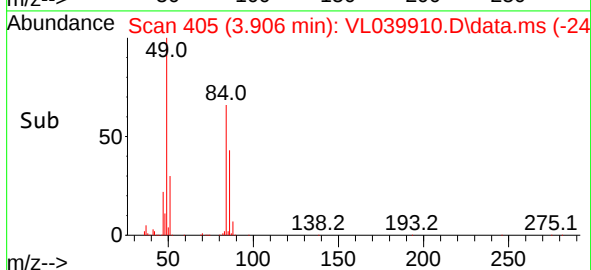
Reviewed By :Semsettin Yesilyurt 11/22/2022
Supervised By :Mahesh Dadoda 11/24/2022

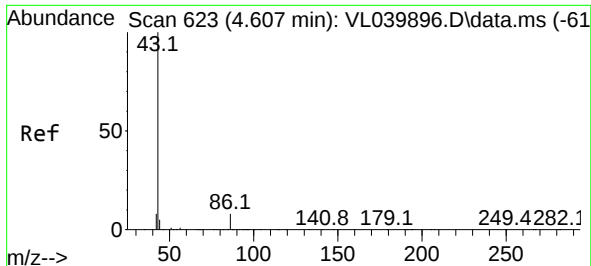


#20
Methylene Chloride
Concen: 13.781 ppbv
RT: 3.906 min Scan# 405
Delta R.T. 0.006 min
Lab File: VL039910.D
Acq: 21 Nov 2022 14:58



Tgt Ion: 84 Resp: 929683
Ion Ratio Lower Upper
84 100
49 152.3 122.2 183.4
51 46.5 36.3 54.5
86 64.8 47.2 70.8





#23
 Vinyl Acetate
 Concen: 1.557 ppbv
 RT: 4.590 min Scan# 61
 Delta R.T. -0.000 min
 Lab File: VL039910.D
 Acq: 21 Nov 2022 14:58

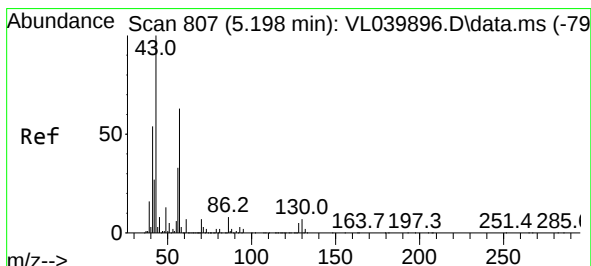
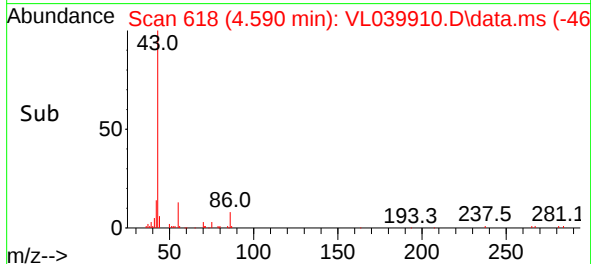
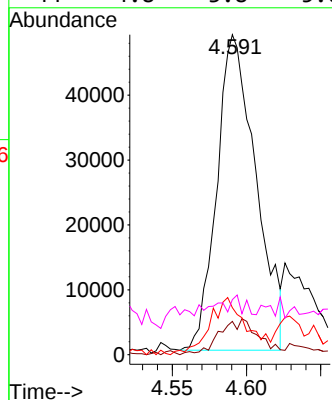
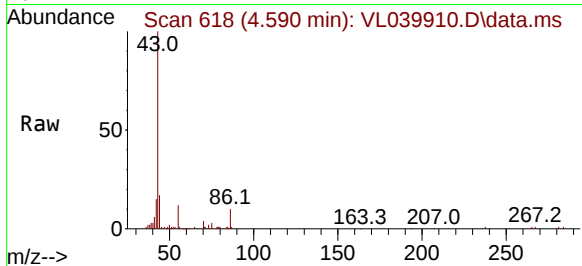
Instrument :
 MSVOA_L
 ClientSampleId :
 IA2

Tgt Ion: 43 Resp: 89084

Ion	Ratio	Lower	Upper
43	100		
86	10.5	5.0	7.4
42	13.6	7.6	11.4
44	4.8	3.8	5.6

Manual Integrations
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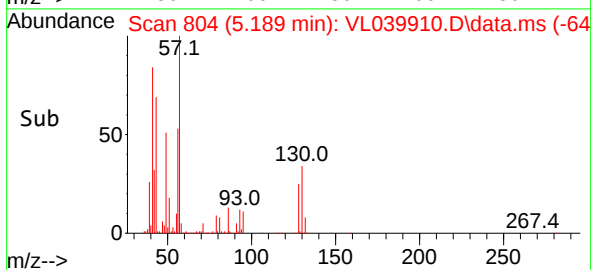
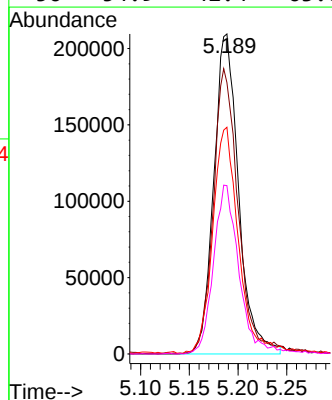
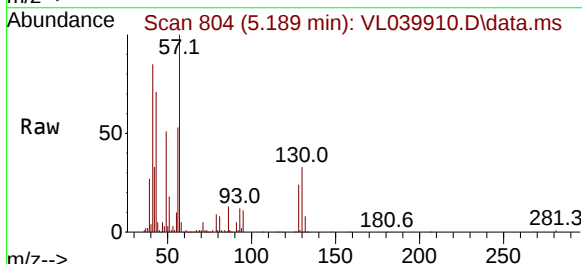
Reviewed By :Semsettin Yesilyurt 11/22/2022
 Supervised By :Mahesh Dadoda 11/24/2022

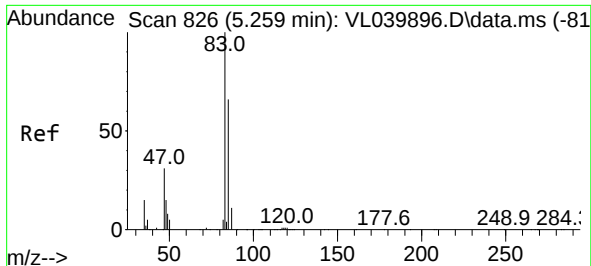


#26
 Hexane
 Concen: 3.322 ppbv
 RT: 5.189 min Scan# 804
 Delta R.T. 0.006 min
 Lab File: VL039910.D
 Acq: 21 Nov 2022 14:58

Tgt Ion: 57 Resp: 371026

Ion	Ratio	Lower	Upper
57	100		
41	90.2	72.3	108.5
43	74.6	188.7	283.1
56	54.9	42.4	63.6





#29

Chloroform

Concen: 0.229 ppbv

RT: 5.250 min Scan# 81

Delta R.T. 0.010 min

Lab File: VL039910.D

Acq: 21 Nov 2022 14:58

Instrument :

MSVOA_L

ClientSampleId :

IA2

Tgt Ion: 83 Resp: 34000

Ion Ratio Lower Upper

83 100

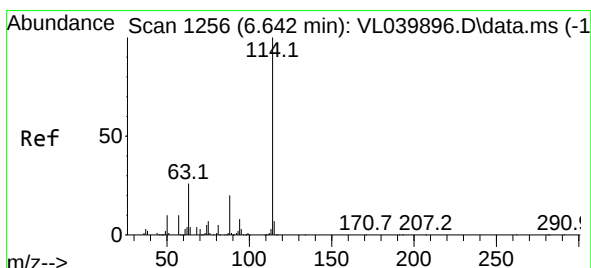
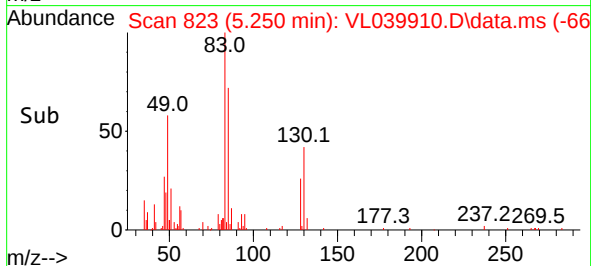
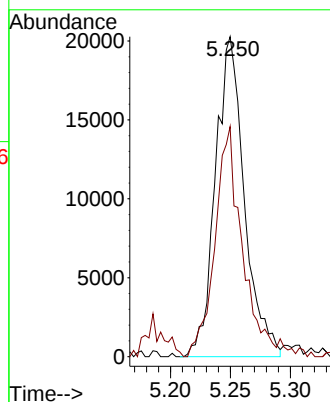
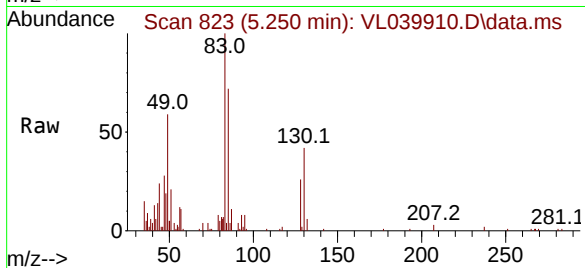
85 70.5 52.4 78.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/22/2022

Supervised By :Mahesh Dadoda 11/24/2022



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.629 min Scan# 1252

Delta R.T. 0.010 min

Lab File: VL039910.D

Acq: 21 Nov 2022 14:58

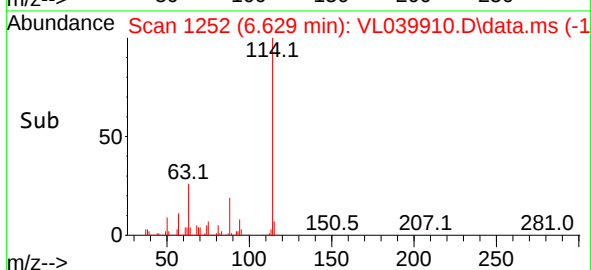
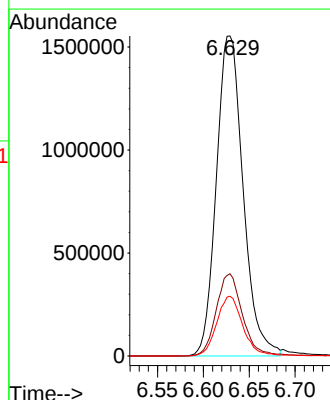
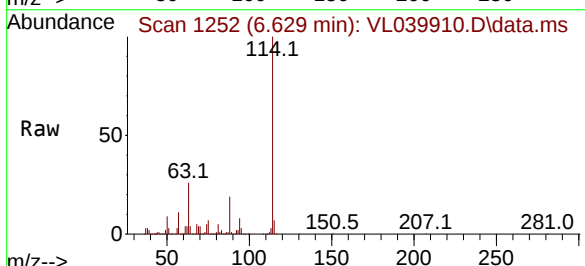
Tgt Ion:114 Resp: 3156753

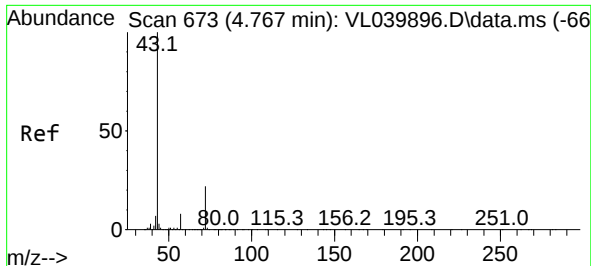
Ion Ratio Lower Upper

114 100

63 25.4 21.4 32.0

88 18.4 15.3 22.9





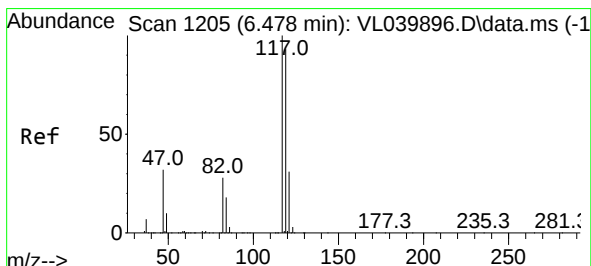
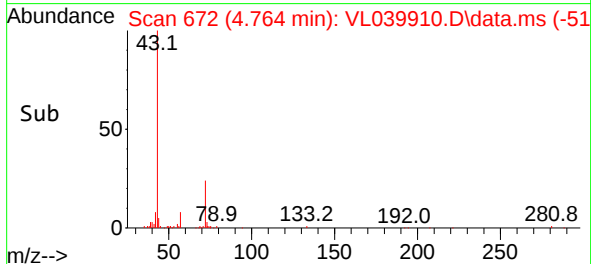
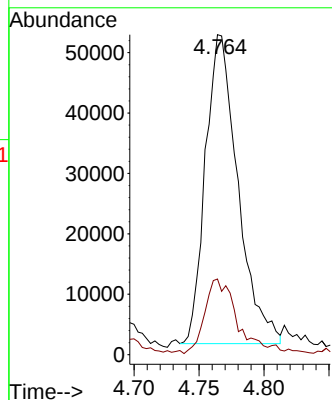
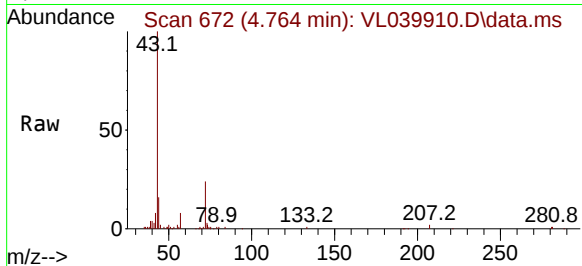
#34
2-Butanone
Concen: 0.589 ppbv
RT: 4.764 min Scan# 61
Delta R.T. 0.013 min
Lab File: VL039910.D
Acq: 21 Nov 2022 14:58

Instrument :
MSVOA_L
ClientSampleId :
IA2

Tgt Ion: 43 Resp: 8891
Ion Ratio Lower Upper
43 100
72 26.7 17.4 26.2

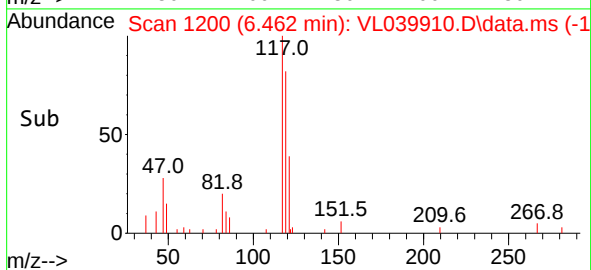
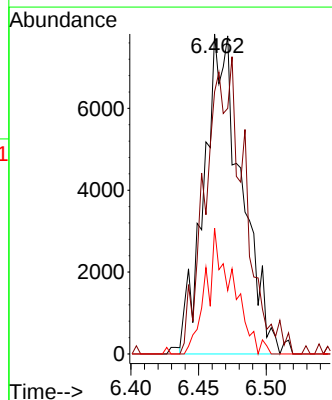
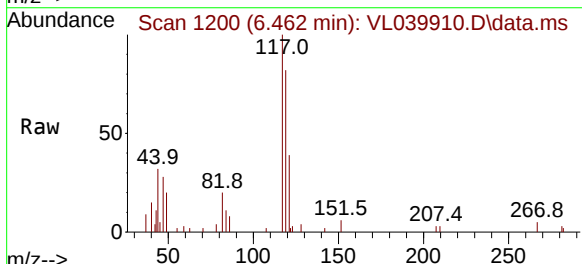
Manual Integrations
APPROVED

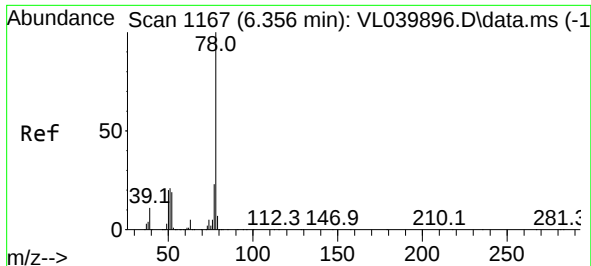
Reviewed By :Semsettin Yesilyurt 11/22/2022
Supervised By :Mahesh Dadoda 11/24/2022



#35
Carbon Tetrachloride
Concen: 0.084 ppbv m
RT: 6.462 min Scan# 1200
Delta R.T. -0.000 min
Lab File: VL039910.D
Acq: 21 Nov 2022 14:58

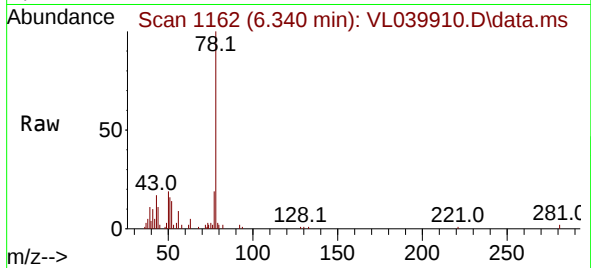
Tgt Ion:117 Resp: 15030
Ion Ratio Lower Upper
117 100
119 82.0 74.7 112.1
121 39.3 24.5 36.7





#36
Benzene
Concen: 0.169 ppbv
RT: 6.340 min Scan# 1167
Delta R.T. 0.003 min
Lab File: VL039910.D
Acq: 21 Nov 2022 14:58

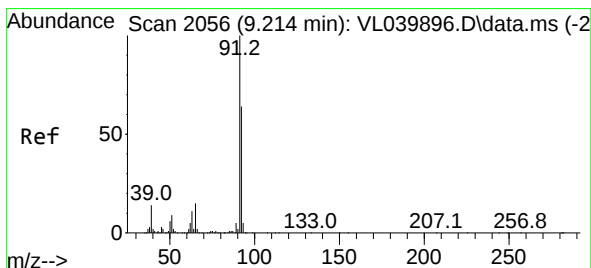
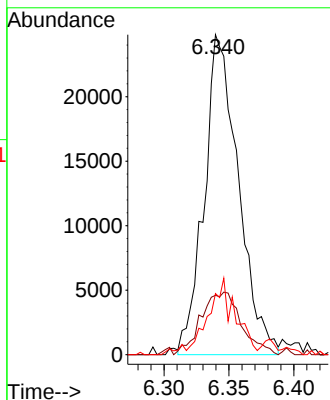
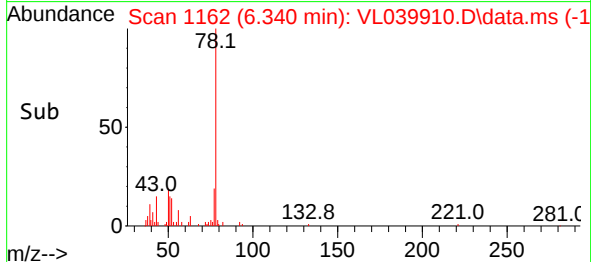
Instrument :
MSVOA_L
ClientSampleId :
IA2



Tgt Ion: 78 Resp: 45425
Ion Ratio Lower Upper
78 100
77 18.8 18.2 27.2
50 18.0 15.8 23.8

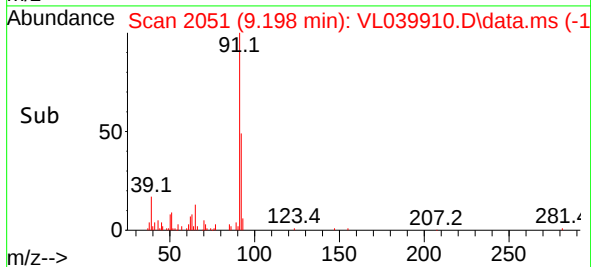
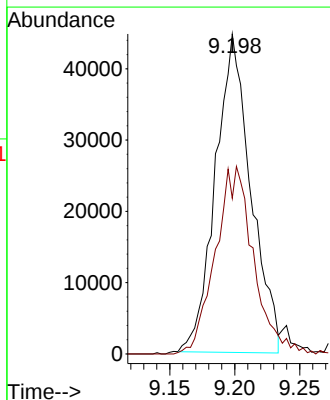
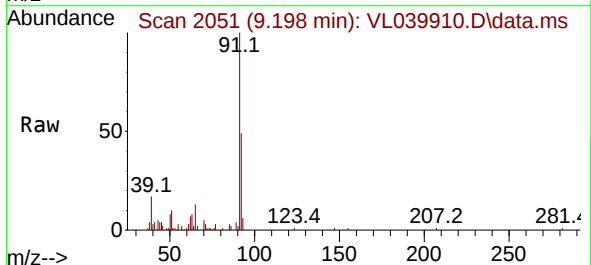
Manual Integrations
APPROVED

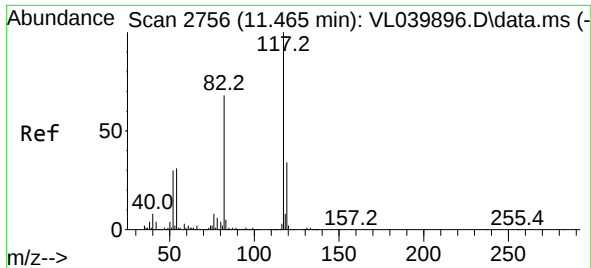
Reviewed By :Semsettin Yesilyurt 11/22/2022
Supervised By :Mahesh Dadoda 11/24/2022



#53
Toluene
Concen: 0.278 ppbv
RT: 9.198 min Scan# 2051
Delta R.T. 0.006 min
Lab File: VL039910.D
Acq: 21 Nov 2022 14:58

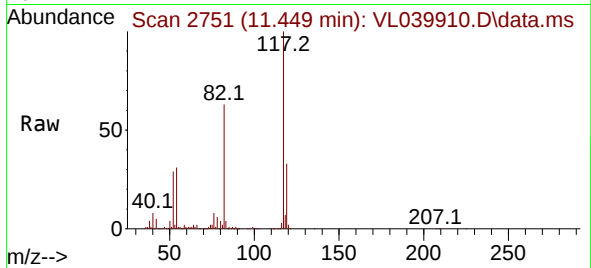
Tgt Ion: 91 Resp: 84996
Ion Ratio Lower Upper
91 100
92 63.3 49.8 74.6





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.449 min Scan# 21
Delta R.T. 0.010 min
Lab File: VL039910.D
Acq: 21 Nov 2022 14:58

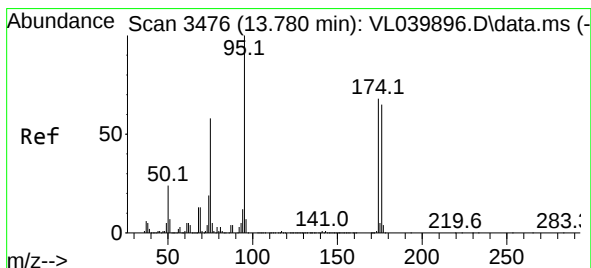
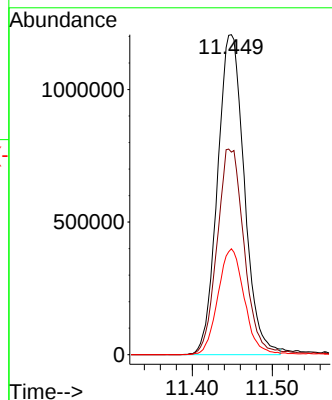
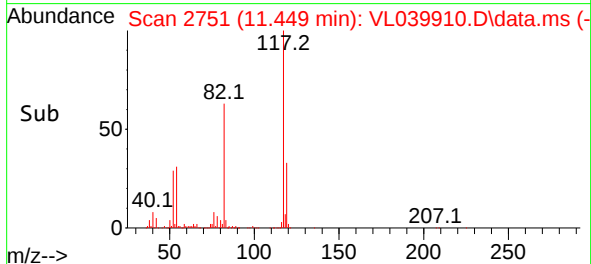
Instrument :
MSVOA_L
ClientSampleId :
IA2



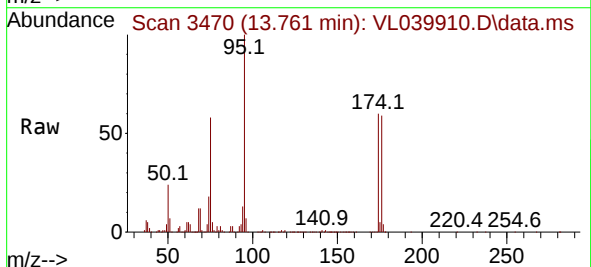
Tgt Ion: 117 Resp: 2807830
Ion Ratio Lower Upper
117 100
82 66.0 52.3 78.5
119 33.0 25.7 38.5

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/22/2022
Supervised By :Mahesh Dadoda 11/24/2022



#68
1-Bromo-4-Fluorobenzene
Concen: 10.140 ppbv
RT: 13.761 min Scan# 3470
Delta R.T. 0.006 min
Lab File: VL039910.D
Acq: 21 Nov 2022 14:58



Tgt Ion: 95 Resp: 2174597
Ion Ratio Lower Upper
95 100
174 63.2 53.7 80.5
175 4.6 4.0 6.0

